STORM DRAIN IMPROVEMENT PROJECTS PROJECTED DELIVERABLES FOR JUNE '05

			PROJECTED DELIVERABLE	PROJECTED
PG.			AMOUNT	DELIVERABLE
NO.	PRO	JECT	JUNE '05	PRODUCT
197	3371	Minor Storm Drain Projects	10,000 N	linor Improvements
199	3391	Abbott Pump Replacement	50,000 S	Start Construction
200	3396	Manor Pump Station Improvements	10,000 C	Close out
201	8106	Storm Water Pump Station Improvement	30,000 C	Complete Construction
202	8138	Berryessa Pump Station Improvements	100,000 S	Start Design
203	8140	Oakcreek Pump Station Improvement	500,000 C	Complete Construction
204	New	Abbott Avenue Storm Drain Improvements	70,000 S	start Design
		TOTAL COST	\$770,000	

Close Out Activities: Completion of warrantee work, pre-final acceptance inspection, minor modifications to signage and facilities and related works.

STORM DRAIN IMPROVEMENT PROJECTS SUMMAR'

SUMMARY OF COSTS

PG. NO.	PROJE	<u>ст</u>	TOTAL COST	PRIOR YEARS	2004-05	2005-06	2006-07	2007-08	2008-09
197	3371	Minor Storm Drain Projects	445,000	445,000	0	0	0	0	0
198	3385	Manor Storm Pump Station Backup Generator	190,000	190,000	0	0	0	0	0
199	3391	Abbott Pump Replacement	85,000	85,000	0	0	0	0	0
200	3396	Manor Pump Station Improvements	460,000	460,000	0	0	0	0	0
201	8106	Storm Water Pump Station Improvement	75,000	75,000	0	0	0	0	0
202	8138	Berryessa Pump Station Improvements	1,510,000	385,000	0	1,125,000	0	0	0
203	8140	Oakcreek Pump Station Improvement	837,000	735,000	102,000	0	0	0	0
204	New	Abbott Avenue Storm Drain Improvements	270,000	0	70,000	200,000	0	0	0
		Defunding Subtotal							
		Funding Subtotal			172,000				
		TOTAL COST	\$3,872,000	\$2,375,000	\$172,000	\$1,325,000	\$0	\$0	\$0
SUM	MARY	OF AVAILABLE FINANCING RDA Tax Increment (a) Street Fund General Fund			102,000 70,000 0	1,125,000 200,000 0	0 0 0	0 0 0	0 0 0
		TOTAL AVAILABLE			\$172,000	\$1,325,000	\$0	\$0	\$

NOTES

(a) RDA funding dependent upon cap revision and subsequent fund availability.
(b) "Other Sources" are identified on detailed project sheets.

SUMMARY OF PROJECT FUNDING SOURCES Storm Drain Projects

			2004-05			2005-06			
			RDA	Street	General	Other	RDA	Street	General
PG	PROJ	ECT	Tax Inc.	Fund	Fund	Sources	Tax Inc.	Fund	Fund
197	3371	Minor Storm Drain Projects	0	0	0	0	0	0	0
198	3385	Manor Storm Pump Station Backup Generator	0	0	0	0	0	0	0
199	3391	Abbott Pump Replacement	0	0	0	0	0	0	0
200	3396	Manor Pump Station Improvements	0	0	0	0	0	0	0
201	8106	Storm Water Pump Station Improvement	0	0	0	0	0	0	0
202	8138	Berryessa Pump Station Improvements	0	0	0	0	1,125,000	0	0
203	8140	Oakcreek Pump Station Improvement	102,000	0	0	0	0	0	0
204	New	Abbott Avenue Storm Drain Improvements	0	70,000	0	0	0	200,000	0
		Total Defunding by Funding Source							
Total Funding by Funding Source									
Sub-Total by Funding Source			102,000	70,000	0	0	1,125,000	200,000	0
		Sub-Total By Year	172,000			1,325,000			

NOTES

RDA funding dependent upon cap revision and subsequent fund availability.

[&]quot;Other Sources" are identified on detailed project sheets.

2000	6-07	2007	7-08	200	8-09				
RDA	General	RDA	General	RDA	General				
Tax Inc.	Fund	Tax Inc.	Fund	Tax Inc.	Fund	PROJ	ECT	PG	
0	0	0	0	0	O	3371	Minor Storm Drain Projects	197	
0	0	0	0	0	O	3385	Manor Storm Pump Station Backup Generator	198	
0	0	0	0	0	O	3391	Abbott Pump Replacement	199	
0	0	0	0	0	C	3396	Manor Pump Station Improvements	200	
0	0	0	0	0	O	8106	Storm Water Pump Station Improvement	201	
0	0	0	0	0	O	8138	Berryessa Pump Station Improvements	202	
0	0	0	0	0	O	8140	Oakcreek Pump Station Improvement	203	
0	0	0	0	0	O	New	Abbott Avenue Storm Drain Improvements	204	
						Total Defunding by Funding Source			
						Total Funding by Funding Source			
0	0	0	0	0	0	Sub-Total by Funding Source			
0		0		0)	Sub-Total By Year			

Category	Project	Estimate Level
Storm Drain	3371 Minor Storm Drain Projects	1

CONTACT: Mike McNeely [3301]

PRIORITY: Rehabilitation of Existing Capital Assets or Systems

ANNUAL MAINTENANCE COSTS: \$0

DESCRIPTION - LOCATION

This project involves the ongoing analysis and implementation of various minor modifications and improvements to the existing storm drain system. May include improvements to pump stations.

TATUS	
ngoing program.	

COMMENTS

Uncommitted Balance as of Feb. 29, 2004: \$27,821

ESTIMATED COST —

Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
53,550	0	0	0	0	0	53,550
23,750	0	0	0	0	0	23,750
4,900	0	0	0	0	0	4,900
31,750	0	0	0	0	0	31,750
87,000	0	0	0	0	0	87,000
244,050	0	0	0	0	0	244,050
0	0	0	0	0	0	0
0	0	0	0	0	0	0
445,000	0	0	0	0	0	445,000
	53,550 23,750 4,900 31,750 87,000 244,050 0	53,550 0 23,750 0 4,900 0 31,750 0 87,000 0 244,050 0 0 0	53,550 0 0 23,750 0 0 4,900 0 0 31,750 0 0 87,000 0 0 244,050 0 0 0 0 0 0 0 0	53,550 0 0 0 23,750 0 0 0 4,900 0 0 0 31,750 0 0 0 87,000 0 0 0 244,050 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	53,550 0 0 0 0 23,750 0 0 0 0 4,900 0 0 0 0 31,750 0 0 0 0 87,000 0 0 0 0 244,050 0 0 0 0 0 0 0 0 0 0 0 0 0 0	53,550 0 0 0 0 0 23,750 0 0 0 0 0 4,900 0 0 0 0 0 31,750 0 0 0 0 0 87,000 0 0 0 0 0 244,050 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

FINANCING —							
	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
Street Fund	70,000	0	0	0	0	0	70,000
RDA Tax Increment	60,000	0	0	0	0	0	60,000
General Fund	315,000	0	0	0	0	0	315,000
TOTAL	445.000	0	0	0	0	0	445.000

NOTES: 02-03 Mid-year adjustment returned \$60,000 to General Fund from Prior Year funding.

Category	Project	Estimate Level
Storm Drain	3385 Manor Storm Pump Station Backup Generator	1

CONTACT: Robert Wang [3327]

PRIORITY: Maintenance of Existing Capital Assets or Systems

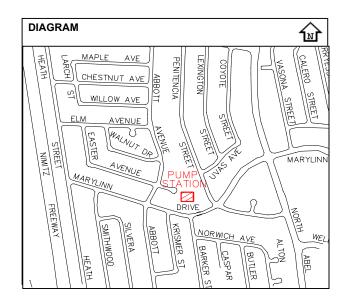
ANNUAL MAINTENANCE COSTS: \$0

DESCRIPTION - LOCATION

This project provides for the installation of a diesel generator and related improvements for backup emergency power.

COMMENTS

If power is lost during storms, this residential area may be subject to flooding without a backup generator.



Uncommitted Balance as of Feb. 29, 2004:

ESTIMATED COST

	Prior Year
Design	10,000
Administration	5,000
Surveying	0
Inspection	5,000
Land	0
Improvements	165,000
Equipment	0
Other	5,000
TOTAL	190,000

FINANCING

	Prior Year
Street Fund	40,000
RDA Tax Increment	65,000
General Fund	85,000
TOTAL	190,000

NOTES:

STATUS

\$1,879

Project is substantially complete. Close project at the end of the warrar period.

Category	Project	Estimate Level
Storm Drain	3391 Abbott Pump Replacement	1

CONTACT: Steve Smith [2640]

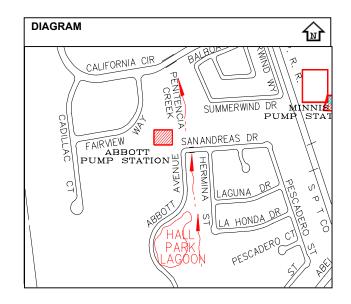
PRIORITY: Major Service Equipment Replacement ANNUAL MAINTENANCE COSTS: \$0

DESCRIPTION - LOCATION

This project involves replacement of 2 electric pumps at the Abbott Storm Pump Station including emergency standby power and flap gate protection per the Storm Drain Master Plan. This pump station is locate off Abbott Street providing drainage for the north Manor neighborhood. The work also include roof improvements, and other minor related work.

COMMENTS

The existing pumps have exceeded their design (or useful) life and replacement will assure continuous operation during future inclement weather.



Uncommitted Balance as of Feb. 29, 2004: \$81,950

ESTIMATED COST

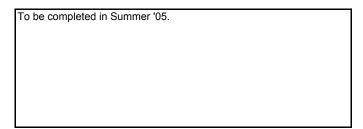
	Prior Year
Design	20,000
Administration	5,000
Surveying	0
Inspection	10,000
Land	0
Improvements	50,000
Equipment	0
Other	0
TOTAL	85,000

FINANCING

	Prior Year
Street Fund	25,000
General Fund	60,000
TOTAL	85,000

NOTES:

STATUS



Category	Project	Estimate Level
Storm Drain	3396 Manor Pump Station Improvements	1

CONTACT: Robert Wang [3327]

PRIORITY: Rehabilitation of existing Capitol Assets or Systems

ANNUAL MAINTENANCE COSTS: \$5,000

DESCRIPTION - LOCATION

This project provides improvements to increase the pump station capacity. Improvements include adding a third pump, motor starter, replacing propellers in the existing two pumps and providing permanent standby power. See the Storm Drain Master Plan for additional information.

COMMENTS

The pump station currently has capacity for the 10-year design discharge and an upgrade to 100 year is proposed. Therefore, additional pumping capacity must be provided to discharge 100-year inflow. These improvements are needed as mitigation for flows from the Calaveras/I-880 interchange.

Uncommitted Balance as of Feb. 29, 2004: \$239,132

ESTIMATED COST

	Prior Year
Design	50,000
Administration	5,000
Surveying	0
Inspection	20,000
Land	0
Improvements	385,000
Equipment	0
Other	0
TOTAL	460,000

FINANCING

	Prior Year
Street Fund	360,000
RDA Bond Proceeds 97	100,000
TOTAL	460,000

NOTES:

STATUS

Project substantially complete. Close project at the end of warranty period.

Category	Project	Estimate Level
Storm Drain	8106 Storm Water Pump Station Improvement	1

CONTACT: Darryl Wong [3345]

PRIORITY: Rehabilitation of Existing Capital Assets or Systems

ANNUAL MAINTENANCE COSTS: \$500

DESCRIPTION - LOCATION

This project provides new roofs and level control panel replacement at Penitencia pump station and new roof at Bellew pump station.

COMMENTS

These roof improvements are required to prevent damage to electrical control panels due to water intrusion. The level control panels have exceeded their useful life and need to be replaced. Level controls and roof repair at Abbott pump station are part of project 3391, and those at Oakcreek pump station are part of project 8140. Level central panel replacement at Berryessa is included at part of project 8138.

Uncommitted Balance as of Feb. 29, 2004:

\$61,408

ESTIMATED COST

	Prior Year
Design	0
Administration	5,000
Surveying	0
Inspection	0
Land	0
Improvements	70,000
Equipment	0
Other	0
TOTAL	75,000

FINANCING

	Prior Year
RDA Tax Increment	75,000
TOTAL	75,000

NOTES:

STATUS

Design is complete.		

Category	Project	Estimate Level
Storm Drain	8138 Berryessa Pump Station Improvements	1

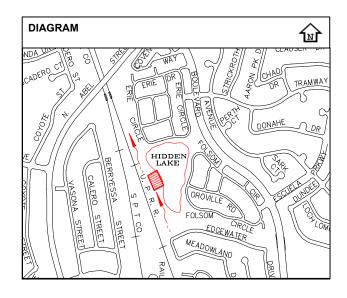
CONTACT: Doug De Vries [3313]

PRIORITY: Rehabilitation of Existing Capital Assets or Systems

ANNUAL MAINTENANCE COSTS: \$0

DESCRIPTION - LOCATION

This project provides replacement of three diesel engines and engine ar station controls and electrical systems at the Berryessa Storm Pump Station. The project will evaluate if the diesel engines should be replaced in kind or be replace with more efficient and quieter submersib electric pumps and a backup generator. This project includes replacement of the existing 7.5 HP with a 50 HP jockey pump to efficiently pump low flows during dry weather with an electric variable speed jockey pump rather than the large pumps that are more costly to operate. Work also includes replacing the existing roof, painting the station, installation of flap-gates on creek discharge pipes and retrofitting of vent pipes per the Strom Drain Master Plan. The Berryessa Storm Pump Station is located at Hidden Lake Park and provides drainage for portions of the City bounded by Calaveras Blvd. (on the south), Wrigley Creek (on the west), Jacklin Rd. (on the north), and Hwy. 680 (on the east).



COMMENTS

This pump station is 24 years old and has not been rebuilt or rehabilitated. The 3 engines have exceeded their design (or useful) life.

Uncommitted Balance as of Feb. 29, 2004: \$377,513

ESTIMATED COST-

	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
Design	30,000	0	120,000	0	0	0	150,000
Administration	5,000	0	85,000	0	0	0	90,000
Surveying	0	0	0	0	0	0	0
Inspection	10,000	0	37,500	0	0	0	47,500
Land	0	0	0	0	0	0	0
Improvements	340,000	0	195,000	0	0	0	535,000
Equipment	0	0	500,000	0	0	0	500,000
Other	0	0	187,500	0	0	0	187,500
TOTAL	385,000	0	1,125,000	0	0	0	1,510,000

FINANCING————							
	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
RDA Tax Increment	385,000	0	1,125,000	0	0	0	1,510,000
TOTAL	385,000	0	1,125,000	0	0	0	1,510,000

NOTES:

_...

STATUS:

Design will start in FY 04-05 for construction in Summer 2005.

Category	Project	Estimate Level
Storm Drain	8140 Oakcreek Pump Station Improvement	1

CONTACT: Doug De Vries [3313]

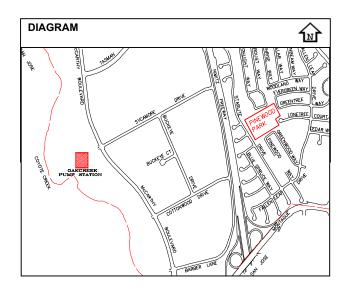
PRIORITY: Major Service Equipment Replacement **ANNUAL MAINTENANCE COSTS:** \$0

DESCRIPTION - LOCATION

This project provides for the replacement of 3 engines and engine control panels at Oakcreek Pump Station per the Storm Drain Master Plan. The roof condition will then be evaluated and repaired or replaced as needed. The pump station is located near Sycamore Dr. and McCarthy Blvd. and provides drainage for the Oakcreek Industrial Park area.

COMMENTS

This storm pump station pumps large volumes of storm water into Coyol Creek requiring three 400 horsepower diesel engines. The existing engines have exceeded their design (or useful) life and replacement will assure continuous operations during future inclement weather.



Uncommitted Balance as of Feb. 29, 2004: \$601,647

ESTIMATED COST -

	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
Design	50,000	30,000	0	0	0	0	80,000
Administration	5,000	10,000	0	0	0	0	15,000
Surveying	0	0	0	0	0	0	0
Inspection	25,000	0	0	0	0	0	25,000
Land	0	0	0	0	0	0	0
Improvements	0	0	0	0	0	0	0
Equipment	650,000	42,000	0	0	0	0	692,000
Other	5,000	20,000	0	0	0	0	25,000
TOTAL	735,000	102,000	0	0	0	0	837,000

IIIAIIOIIIO							
	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
RDA Tax Increment	735,000	102,000	0	0	0	0	837,000
TOTAL	735.000	102.000	0	0	0	0	837.000

NOTES: 0

STATUS:

FINANCING -

Design is underway.		

Category	Project	Estimate Level
Storm Drain	New Abbott Avenue Storm D	rain Improvements

CONTACT: Mehdi Khaila [3328] **ANNUAL MAINTENANCE COSTS:**

PRIORITY: Rehabilitation of Existing Capital Assets or Systems

DESCRIPTION - LOCATION

This project constructs a new 36-inch storm drain from Redwood Avenue to Curtner Lagoon to improve flood protection.

COMMENTS

This improvement in conjunction with the Manor Pump Station improvements, currently under construction, will eliminate the need for a \$500,000 improvement to Dixon Landing Pump Station.

<u>STATUS</u>		

Uncommitted Balance as of Feb. 29, 2004:

\$0

ESTIMATED COST

	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
Design	0	30,000	0	0	0	0	30,000
Administration	0	15,000	0	0	0	0	15,000
Surveying	0	10,000	0	0	0	0	10,000
Inspection	0	5,000	0	0	0	0	5,000
Land	0	0	0	0	0	0	0
Improvements	0	0	200,000	0	0	0	200,000
Equipment	0	0	0	0	0	0	0
Other	0	10,000	0	0	0	0	10,000
TOTAL	0	70.000	200.000	0	0	0	270.000

FINANCING

	Prior Year	2004-05	2005-06	2006-07	2007-08	2008-09	TOTAL
Street Fund	0	70,000	200,000	0	0	0	270,000
TOTAL	0	70,000	200,000	0	0	0	270,000

FINANCING NOTES:

APPENDIX A

ESTIMATE LEVEL DESCRIPTIONS

The following are detailed descriptions for each of the three estimate levels used in this document:

Estimate Level 1 – Conceptual Estimate

This level of estimating is the least accurate and is used when the conceptual idea or plan has been prepared without precise details. Examples of such would be freeway interchanges prior to completion of any plans (and estimates based thereon), projects where final location is unknown and right-of-way or land costs are involved.

Estimate Level 2 - Detailed Estimate

This level of estimating is based on an approved design plan or conceptual plan which has some level of assurance that the items contained within are complete and acceptable to the approving agency. Examples of this category are most street projects where City staff has prepared estimated based on typical street structural and geometric details, using experienced bid prices. Other examples are water or sewer lines that have bee proposed and identified with estimates in consultant reports.

Estimate Level 3 – Design Estimate

This is the highest level of estimating and is based on a completed set of design drawings and specifications that are ready for bidding. This level is what could also be called the bid or engineer's estimate.

APPENDIX B

ABBREVIATIONS - DEFINITIONS

ABAG Association of Bay Area Governments

AC Asphalt Concrete

ADA Americans with Disabilities Act.
CAD Computer Aided Dispatch

CADD Computer Aided Design and Drafting CDBG Community Development Block Grant

CIP Capital Improvement Program
CRF Capital Reserve Fund
CRS Community Rating Service

CU Customer DEV Developer

DG Decomposed Granite

DOHS Department of Health Service EOC Emergency Operating Center

FEMA Federal Emergency Management Agency

GF General Fund

GIS Geographic Information System
GUI Graphical User Interfaces

HR Human Resources
I/I Infiltration/Inflow
LRT Light Rail Transit

MCT Mobile Computer Terminal
MHS Milpitas Historical Society
MSC Milpitas Sports Center
OSA Office of the State Architect
OCR Optical Character Recognition

PF Park Fund
PM Project Manager

PMS Pavement Management System

PRV Pressure reducing valve

R/W Right-of-Way

RDA Redevelopment Agency
RFQ Request for Qualifications
RMS Records Management System

RWQCB Regional Water Quality Control Board SCADA Supervisory Control and Data Acquisition

SCC Santa Clara County

SCVTA Santa Clara Valley Transportation Agency

SCVWD Santa Clara Valley Water District

SF Street Fund SP Sponsor

SPS Sewer Pump Station TA Traffic Authority

TDA Transportation Development Act

WF Water Fund

WLF Water Line Extension Fund

VTA Santa Clara Valley Transportation Authority

COP's Certificates of Participation

TPF Treatment Plant Fee

UPS Uninterrupted Power Supply

Y2K Year 2000 Compliant

APPENDIX C

PRIORITIZATION DESCRIPTIONS

In order to assist in the review of the various projects, all CIP projects are prioritized using the following categories (listed in priority order):

1. Mandatory or Committed Projects

Mandatory projects are those which the City is legally required to undertake. These include Federal or State mandated activities such as access modifications to public facilities to meet Americans with Disabilities Act requirements, Clean Water Act, etc. Committed projects are those that the City has contracted or partially completed. This can also include projects that have received grants with time restrictions. A funded project that has not yet started, does not necessarily mean that the project is "committed", since the project is still subject to review. If this project is no longer necessary, it can be delayed or deleted and defunded.

2. Health and Safety Projects

Health and Safety projects are those infrastructure improvements needed for health and/or safety reasons. Examples include such projects as sidewalk repair work, installation of traffic signals and signs, modification of park playground equipment to eliminate a hazardous situation and additional lighting in public areas, etc.

3. Rehabilitation of Existing Capital Assets or Systems

These are projects that are required to maintain the City's investment in infrastructure and capital equipment. This includes projects ranging from street resurfacing/reconstruction, to bridge maintenance, water, sewer improvements, facilities rehabilitation, etc.

4. Major Service Equipment Replacement

These are projects involving the replacement of equipment required in the operations of the City services. This would include pumps at storm drainage pump stations, MSC swimming pool pumps and motor replacements.

5. Projects which Avoid Future Additional Costs

This includes those projects which assists the City in reducing and/or eliminating future operating or capital costs. This would include acquisition of image processing equipment for document control, computer networking, replacing existing high maintenance landscaping with drought resistant and low maintenance plantings, automation of maintenance or data gathering activities, etc.

6. Studies and Analyses

This category is for projects that allow the City to examine new approaches for improvements to service delivery, cost savings, capital improvement projects and/or ways to enhance the financial stability of the City. Examples include the Calaveras Plan Line Study and San Jose Parallel Forcemain Study.

7. Enhance Economic Development

This category is for those projects that will attract new businesses or retain existing. Examples include the installation of utilities for future development and fiber optics installation for telecommunications.

8. Improve the Quality of Life

These are projects that allow the City to enhance the City's quality of life, such as landscaping projects, new Sports Center improvements, etc.

APPENDIX D

Previously Funded Projects to be Closed as of June 30, 2004

Community Improvements						
8156	Police Department Community Room					
8101	Sports Center Field Modifications					
Parks						
5065	Picnic Shade Structure – Gill Park					
8097	Softball Scoreboards – Cordoza Park					
Streets	North Mileites Davis and Madies Description					
4140 4221	North Milpitas Boulevard. Median Renovation Abel Street Road Improvements					
4221	Abei Street Road Improvements					
Water						
7097	Ayer Reservoir Seismic Improvements					
Sewer 6070	Can Jaca Darallal Faraamain					
0078	San Jose Parallel Forcemain					